

CLAIMS

1. A toy vehicle comprising:

a security alarm device comprising a controller having a control input and at least one sensor coupled to the controller, the security alarm device having an armed state and an unarmed state and being responsive to the at least one sensor in its armed state and to the control signal input to assume the armed and unarmed states;

a signaling device coupled to the controller;

the controller causing the signaling device to generate a signal in response to activation of the at least one sensor in the armed state of the security alarm device and causing the signaling to cease generating the signal when the alarm device is placed in its unarmed state.

2. A toy vehicle comprising:

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a security alarm device comprising a controller having a control input and having an armed state and an unarmed state, and the controller being responsive to the control signal input to cause the security alarm device to assume the armed and unarmed states;

a signaling device coupled to the controller;

the controller causing the signaling device to generate a signal in response to a change in state of the security alarm device between its armed state and its unarmed state.

3. The toy vehicle of claim 1 or 2 wherein the signaling device comprises an audio device which generates a sound signal.

4. The toy vehicle of claim 1 or 2 wherein the signaling device comprises a visual device which generates a visual signal.

5. The toy vehicle of claim 1 or 2 comprising a propulsion system including an electric motor which propels the toy vehicle and a motor drive which selectively supplies power to the electric motor, the controller being coupled to the

motor drive and disabling the motor drive when the alarm device is in its armed state.

6. The toy vehicle of claim 1 or 2 comprising a remote control device coupled to the control input of the controller operative to cause the alarm device to assume its armed and unarmed states.

7. The toy vehicle of claim 5 wherein the remote control device and the security alarm device are wirelessly coupled, the toy vehicle comprising a receiver coupled to the control input of the security alarm device controller operative to wirelessly receive a signal from the remote control device, the controller being responsive to the receiver to cause the security alarm device to assume its armed and unarmed states;

8. The toy vehicle of claim 7 wherein the remote control device includes an infrared transmitter and the receiver includes an infrared receiver.

9. The toy vehicle of claim 5 comprising a propulsion system including an electric motor which propels the toy vehicle, the electric motor being coupled to and controlled by the controller in response to signals received by the controller from the remote control device.

10. The toy vehicle of claim 7 wherein the controller includes a sound synthesizer and the signaling device comprises a speaker coupled to the controller to receive sound signals therefrom, the synthesizer being generating beep sound signals representing changes of state of the security alarm device between its armed and unarmed states and a siren sound, the controller causing the synthesizer to generate the beep signals in response to response to a change in state of the security alarm device between its armed state and its unarmed state and the siren sound in response to activation of the at least one sensor in the armed state of the security alarm device.

5ub A3 11. The toy vehicle of claim 10 wherein the synthesizer also generates an engine rev'ing sound, and wherein the remote control device comprises a first

control which when activated causes the remote control device to transmit signals which when received by the receiver cause the security alarm device to assume its armed and unarmed states, and a second control which when activated causes the remote control device to transmit signals which when received by the receiver cause the synthesizer to generate the engine rev'ing sound.

12. The toy vehicle of claim 10 wherein the synthesizer also generates a tire screeching sound, and wherein the remote control device comprises a first control which when activated causes the remote control device to transmit signals which when received by the receiver cause the security alarm device to assume its armed and unarmed states, and a second control which when activated causes the remote control device to transmit signals which when received by the receiver cause the synthesizer to generate the tire screeching sound.

13. The toy vehicle of claim 1 wherein the security sensor comprises a motion sensor.

14. A toy vehicle comprising:

a security alarm device comprising a controller having a control input and at least one sensor coupled to the controller, the security alarm device having an armed state and an unarmed state and being responsive to the at least one sensor in its armed state and to the control signal input to assume the armed and unarmed states;

an audio device coupled to the controller;

the controller causing the audio device to generate an alarm sound in response to activation of the at least one sensor in the armed state of the security alarm device and causing the audio device to cease generating the alarm sound when the alarm device is placed in its unarmed state, the controller further causing the audio device to generate arm and siren sounds when the state of alarm device changes from armed to unarmed and from unarmed to armed.

15. The toy vehicle of claim 14 comprising a propulsion system including an electric motor which propels the toy vehicle and a motor drive which selectively supplies power to the electric motor, the controller being coupled to the motor drive and disabling the motor drive when the alarm device is in its armed state.

16. The toy vehicle of claim 14 comprising a remote control device coupled to the control input of the controller operative to cause the alarm device to assume its armed and unarmed states.

17. The toy vehicle of claim 15 wherein the remote control device and the security alarm device are wirelessly coupled, the toy vehicle comprising a receiver coupled to the control input of the security alarm device controller operative to wirelessly receive a signal from the remote control device, the controller being responsive to the receiver to cause the security alarm device to assume its armed and unarmed states;

18. The toy vehicle of claim 17 wherein the remote control device includes an infrared transmitter and the receiver includes an infrared receiver.

19. The toy vehicle of claim 15 comprising a propulsion system including an electric motor which propels the toy vehicle, the electric motor being coupled to and controlled by the controller in response to signals received by the controller from the remote control device.

20. The toy vehicle of claim 17 wherein the controller includes a sound synthesizer and the audio device comprises a speaker coupled to the controller to receive sound signals therefrom, the synthesizer being generating beep sound signals representing changes of state of the security alarm device between its armed and unarmed states and a siren sound, the controller causing the synthesizer to generate the beep signals in response to response to a change in state of the security alarm device between its armed state and its unarmed state and the siren

sound in response to activation of the at least one sensor in the armed state of the security alarm device.

21. The toy vehicle of claim 19 wherein the synthesizer also generates an engine rev'ing sound, and wherein the remote control device comprises a first control which when activated causes the remote control device to transmit signals which when received by the receiver cause the security alarm device to assume its armed and unarmed states, and a second control which when activated causes the remote control device to transmit signals which when received by the receiver cause the synthesizer to generate the engine rev'ing sound.

22. The toy vehicle of claim 19 wherein the synthesizer also generates a tire screeching sound, and wherein the remote control device comprises a first control which when activated causes the remote control device to transmit signals which when received by the receiver cause the security alarm device to assume its armed and unarmed states, and a second control which when activated causes the remote control device to transmit signals which when received by the receiver cause the synthesizer to generate the tire screeching sound.

23. The toy vehicle of claim 14 wherein the security sensor comprises a motion sensor.

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